

OE-417 Electric Emergency and Disturbance (OE-417) Events, 2013¹

Date Event Began	Time Event Began	Date of Restoration	Time of Restoration	Respondent	Area Affected	NERC Region	Event Type	Demand Loss (MW)	Number of Customers Affected
January									
1/7/2013	10:43 AM	1/7/2013	10:43 AM	Delmarva Power & Light Company	Denton, Maryland	RFC	Physcial Attack; Vandalism	Unknown	Unknown
1/16/2013	2:25 PM	1/16/2013	2:25 PM	Delmarva Power & Light Company	Denton, Maryland	RFC	Physcial Attack; Vandalism	Unknown	Unknown
1/16/2013	4:45 PM	1/16/2013	7:26 PM	Public Service Company of New Mexico	San Juan County, New Mexico	WECC	Suspected Physical Attack	0	0
1/16/2013	7:41 AM	1/17/2013	10:58 AM	MidAmerican Energy Co	Webster County, Iowa	MRO	Physical Attack	N/A	N/A
1/17/2013	6:07 PM	1/20/2013	7:30 PM	American Electric Power (AEP)	Southwest Virginia, Southern West Virginia	RFC	Severe Weather - Winter Storm	Unknown	127,000
1/17/2013	7:02 PM	1/19/2013	6:00 PM	Tennessee Valley Authority	Northeast Tennessee	SERC	Severe Weather - Winter Storm	Unknown	80,000
1/17/2013	8:35 PM	1/17/2013	9:20 PM	North Carolina Eastern M P A	Elizabeth City, North Carolina	SERC	Distribution Interruption	40	12,000
1/20/2013	3:30 AM	1/23/2013	6:15 AM	Detroit Edison Co	Southeastern Michigan	RFC	Severe Weather - Wind Storm	Unknown	146,500
1/28/2013	4:46 PM	1/28/2013	6:00 PM	Tacoma Power (TPWR)	Tacoma Narrows Crossing, Washington	WECC	Physical Attack	Unknown	Unknown
1/31/2013	3:05 AM	1/31/2013	4:48 AM	Dominion Virginia Power	Central and Eastern Virginia	SERC	Severe Weather - Wind Storm	188	119,000
1/31/2013	6:30 AM	1/31/2013	10:00 AM	ISO New England	Connecticut	NPCC	Severe Weather - Wind Storm	75	75,000
February									
2/2/2013	9:15 PM	2/2/2013	10:15 PM	El Paso Electric Co.	El Paso, New Mexico	WECC	Vandalism	N/A	N/A
2/7/2013	8:32 AM	2/7/2013	9:47 AM	Duke Energy Ohio Inc	Cincinnati, Ohio	RFC	Vandalism	Unknown	0
2/8/2013	11:38 AM	2/8/2013	2:17 PM	Potomac Electric Power Company	District of Columbia; Prince George's County Maryland	RFC	Equipment Trip & Failure	140	52,000
2/8/2013	8:00 PM	2/11/2013	8:30 PM	ISO New England/National Grid	Central and eastern Massachusetts; Rhode Island	NPCC	Severe Weather - Winter Storm Nemo	N/A	50,000
2/8/2013	8:55 PM	2/12/2013	4:00 AM	ISO New England/NSTAR	Boston area and Southeast Massachusetts	NPCC	Severe Weather - Winter Storm Nemo	Unknown	50,000
2/9/2013	8:30 AM	2/9/2013	3:00 PM	El Paso Electric Co.	El Paso, New Mexico	WECC	Vandalism; Equipment Fault	Unknown	Unknown
2/10/2013	7:46 PM	2/10/2013	8:15 PM	Puerto Rico Electric Power Authority	Puerto Rico	N/A	Generator Trip; Voltage Reduction	350	Unknown
2/13/2013	9:30 AM	2/13/2013	9:30 AM	Potomac Electric Power Company	Fort Washington, Maryland	RFC	Vandalism	1	1
2/13/2013	5:39 PM	2/15/2013	5:50 PM	Footprint Power Salem Harbor Operations LLC	Eastern Massachusetts	NPCC	Fuel Supply Emergency - Petroleum	1	1
2/15/2013	12:00 AM	2/15/2013	12:01 AM	Potomac Electric Power Company	Tuxedo, Maryland	RFC	Vandalism	N/A	N/A
2/16/2013	7:54 AM	2/16/2013	7:54 AM	Potomac Electric Power Company	Prince George's County Maryland	RFC	Vandalism	1	1
2/19/2013	4:01 PM	2/20/2013	12:55 PM	Pacific Gas & Electric Co.	Stockton, California	WECC	Electrical System Separation (Islanding)	13,850	6,810
2/21/2013	11:00 AM	2/21/2013	11:30 AM	El Paso Electric	Las Cruces, New Mexico	WECC	Vandalism	Unknown	Unknown
2/26/2013	1:00 PM	3/1/2013	10:00 AM	Associated Electric Coop, Inc	Northern Missouri	SERC	Severe Weather - Winter Storm Nemo	Unknown	56,444

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March									
3/3/2013	6:39 AM	3/3/2013	10:29 AM	Pacific Gas & Electric Co	Merced County, California	WECC	Transmission System Interruption	300	58,850
3/3/2013	4:27 PM	3/3/2013	6:20 PM	Potomac Electric Power Company	Tacoma Park, Maryland	RFC	Vandalism	Unknown	Unknown
3/4/2013	9:49 AM	3/4/2013	10:00 PM	Puerto Rico Electric Power Authority	Metropolitan area Puerto Rico	N/A	Equipment Failure; Transmission System Interruption	Unknown	Unknown
3/6/2013	8:22 AM	3/7/2013	10:27 AM	Dominion Virginia Power	Northwest Virginia	SERC	Severe Weather - Winter Storm	400	233,000
3/18/2013	5:21 AM	3/18/2013	5:41 AM	Puerto Rico Electric Power Authority	Systemwide Puerto Rico	N/A	Generator Trip; Load Shed	350	262,937
3/18/2013	5:50 PM	3/18/2013	6:07 PM	Jacksonville Electric Authority (JEA)	Northeast Florida	FRCC	Suspected Physical Attack	0	0
3/18/2013	7:30 PM	3/20/2013	2:30 PM	Southern Company	North/Central Alabama; Georgia	SERC	Severe Weather - Thunderstorms	800	240,000
3/23/2013	7:00 AM	3/23/2013	9:00 AM	ISO New England	Connecticut	NPCC	Vandalism	Unknown	Unknown
3/27/2013	10:25 AM	3/27/2013	12:19 PM	ISO New England	Western Massachusetts	NPCC	Physical Attack; Vandalism	Unknown	Unknown
3/28/2013	1:01 PM	3/28/2013	1:02 PM	Delmarva Power & Light Company	Wilmington, Delaware	RFC	Vandalism	Unknown	Unknown
3/29/2013	10:16 AM	3/29/2013	10:17 AM	Baltimore Gas and Electric	Maryland	RFC	Suspected Physical Attack	Unknown	Unknown
April									
4/1/2013	8:40 AM	4/1/2013	8:41 AM	ISO New England	Connecticut	NPCC	Vandalism - Copper Wire Theft	Unknown	Unknown
4/3/2013	11:05 AM	4/3/2013	2:00 PM	Colorado Springs Utilities	Colorado Springs, Colorado	WECC	Sabotage; Vandalism	0	0
4/9/2013	11:30 AM	4/9/2013	11:31 AM	Delmarva Power & Light Company	Delaware City, Delaware	RFC	Vandalism	N/A	N/A
4/16/2013	1:47 AM	4/18/2013	3:25 PM	Pacific Gas & Electric Co	California	WECC	Loss of Part of a High Voltage Substation, Physical Attack	N/A	0
4/17/2013	3:36 PM	4/17/2013	4:53 PM	Tennessee Valley Authority	Colbert Steam Plant in Cherokee, Alabama	SERC	Suspected Physical Attack	Unknown	Unknown
4/18/2013	3:00 PM	4/21/2013	3:30 AM	Detroit Edison Co	Southeast Michigan, Michigan	RFC	Severe Weather - Storms and Wind	Unknown	99,188
4/21/2013	2:11 AM	4/21/2013	12:30 PM	Tennessee Valley Authority	East Tennessee	SERC	Suspected Physical Attack	N/A	N/A
4/23/2013	11:00 AM	4/23/2013	11:01 AM	Delmarva Power & Light Company	Newark, Delaware	RFC	Vandalism	Unknown	Unknown
4/23/2013	12:49 AM	4/23/2013	4:04 AM	Pacific Gas & Electric Co	South of Humboldt, California	WECC	Electrical System Separation (Islanding)	80	1
4/25/2013	4:00 PM	4/26/2013	10:55 AM	City and County of San Francisco	Sunol, California	WECC	Vandalism	0	0
May									
5/1/2013	9:22 AM	5/1/2013	9:24 AM	Xcel Energy/Public Service Company of Colorado	Northeast Colorado	WECC	Electrical System Separation (Islanding)	123	35,230
5/2/2013	6:52 AM	5/2/2013	10:07 AM	WECC	Unknown	WECC	Electrical System Separation (Islanding)	Unknown	Unknown
5/9/2013	1:21 PM	5/9/2013	4:21 PM	WECC	Alberta, Canada; Washington State	WECC	Electrical System Separation (Islanding)	Unknown	Unknown
5/13/2013	12:52 PM	Ongoing	Ongoing	California Department of Water Resources	Central California	WECC	Fuel Supply Emergency - Hydro	176	Unknown

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Date Event Began	Time Event Began	Date of Restoration	Time of Restoration	Respondent	Area Affected	NERC Region	Event Type	Demand Loss (MW)	Number of Customers Affected
5/14/2013	12:01 AM	5/14/2013	1:59 PM	PacifiCorp	Portland, Oregon	WECC	Vandalism/Theft	N/A	N/A
5/14/2013	10:25 AM	5/14/2013	11:42 AM	Northeast Utilities/Public Service of New Hampshire	New Hampshire	NPCC	Vandalism	N/A	N/A
5/15/2013	2:11 PM	5/15/2013	2:12 PM	Delmarva Power & Light Company	Wilmington, Delaware	RFC	Vandalism	Unknown	Unknown
5/17/2013	8:35 AM	5/17/2013	8:36 AM	Delmarva Power & Light Company	Newcastle, Delaware	RFC	Vandalism	Unknown	Unknown
5/20/2013	3:00 PM	5/22/2013	5:00 PM	Oklahoma Gas & Electric Co	Moore, Oklahoma	SPP	Severe Weather - Tornadoes	Unknown	41,306
5/20/2013	5:22 PM	5/20/2013	9:09 PM	Entergy Transmission - SOC	Gonzales Area Louisiana	SERC	Generator Trip; Load Shed 100+ MW	103	21,800
5/22/2013	10:51 AM	5/22/2013	10:57 AM	Puerto Rico Electric Power Authority	System wide Puerto Rico	N/A	System Wide Voltage Reduction	280	197,287
5/28/2013	1:00 PM	5/28/2013	6:00 PM	ISO New England	Maine	NPCC	Vandalism/Theft	None	None
5/29/2013	12:00 AM	5/29/2013	12:02 AM	Dominion Virginia Power	Henrico County, Virginia	SERC	Physical Attack	Unknown	Unknown
5/29/2013	8:58 PM	5/31/2013	2:53 PM	Niagara Mohawk Power Corp.	Central and Eastern New York	NPCC	Severe Weather - Thunderstorms	Unknown	61,795
5/29/2013	9:52 AM	5/29/2013	9:53 AM	Delmarva Power & Light Company	Wilmington, Delaware	RFC	Vandalism/Theft	N/A	N/A
5/30/2013	10:15 AM	5/30/2013	10:16 AM	New York Power Authority	Saranac, New York	NPCC	Vandalism	N/A	N/A
5/31/2013	1:00 AM	5/31/2013	1:30 AM	Southwest Power Pool, Inc.	Maumelle, Arkansas	SPP	Severe Weather - Lightning	N/A	N/A
5/31/2013	6:00 PM	6/4/2013	10:30 AM	Oklahoma Gas & Electric Co	El Reno, S. Oklahoma City, Oklahoma	SPP	Severe Weather - Tornadoes	Unknown	127,000
5/31/2013	7:07 PM	6/1/2013	2:15 PM	Coffeyville Municipal Light and Power	Southeast Kansas, Northeast Oklahoma	MRO	Transmission System Interruption	102	6,300
5/31/2013	7:30 PM	6/1/2013	8:00 PM	Ameren Missouri	St. Louis Metro Area Missouri	SERC	Severe Weather - Thunderstorms	Unknown	100,000
June									
6/3/2013	12:50 PM	6/3/2013	1:36 PM	WECC RC Vancouver	Alberta, Canada	WECC	Electrical System Separation (Islanding)	Unknown	Unknown
6/13/2013	8:47 PM	6/14/2013	10:47 PM	Southern Company	Southern Company Territory	SERC	Severe Weather - Thunderstorms	550	165,798
6/13/2013	3:30 PM	6/13/2013	4:00 PM	Potomac Electric Power Company	District of Columbia; Maryland	RFC	Loss of 300+ MW Load; Severe Weather - Thunderstorms	700	40,000
6/13/2013	4:08 PM	6/14/2013	5:16 PM	Dominion Virginia Power	Richmond Metro area, Virginia	SERC	Severe Weather - Thunderstorms	900	283,000
6/13/2013	1:17 PM	6/14/2013	5:35 PM	Duke Energy Carolinas	Western Piedmont North Carolina	SERC	Severe Weather - Thunderstorms	1,000	175,000
6/13/2013	5:45 PM	6/14/2013	6:30 PM	Duke Energy Progress	Central and Eastern North Carolina	SERC	Severe Weather - Thunderstorms	Unknown	53,000
6/13/2013	3:20 PM	6/14/2013	9:10 PM	American Electric Power	Ohio; Virginia; West Virginia	RFC; SERC	Severe Weather - Thunderstorms	Unknown	90,247
6/17/2013	4:17 PM	6/17/2013	6:49 PM	Tampa Electric Co	Hillsborough County Florida	FRCC	Load Shed of 100+ MW Under Emergency Operational Policy	180	37
6/18/2013	3:51 PM	6/18/2013	4:23 PM	Western Area Power Administration	Wyoming	WECC	Electrical System Separation (Islanding)	6	Unknown
6/19/2013	7:57 PM	6/19/2013	8:09 PM	Western Electricity Coordinating Council	Alberta, Canada	WECC	Electrical System Separation (Islanding)	Unknown	Unknown
6/20/2013	6:00 PM	6/21/2013	10:00 AM	Potomac Electric Power Co	Richie Station (No. 123), Maryland	RFC	Physical Attack; Vandalism	Unknown	Unknown
6/21/2013	8:31 AM	10/30/2013	2:09 PM	ITC Transmission	Michigan, Iowa	MRO	Suspected Cyber Attack	Unknown	Unknown

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6/21/2013	7:40 AM	6/21/2013	12:14 PM	Valley Electric Assn, Inc	Pahrump Nevada	WECC	Physical Attack; Vandalism & Sabotage	Unknown	1,100
6/21/2013	3:00 AM	6/26/2013	12:00 PM	Xcel Energy	Minnesota	MRO	Severe Weather - Hailstorm	Unknown	193,000
6/21/2013	11:14 PM	6/21/2013	11:15 PM	Delmarva Power & Light Company	New Castle Delaware	RFC	Physical Attack; Vandalism	Unknown	Unknown
6/21/2013	5:39 PM	6/24/2013	6:00 AM	Xcel Energy	Minneapolis/St. Paul area Minnesota	MRO	Severe Weather - Hailstorm	Unknown	400,000
6/22/2013	4:12 PM	6/22/2013	5:45 PM	NorthWestern Energy LLC - (MT)	Eastern Montana	WECC	Suspected Physical Attack	Unknown	Unknown
6/22/2013	4:59 AM	6/22/2013	9:28 PM	PacifiCorp	Medford Oregon	WECC	Physical Attack; Vandalism	N/A	N/A
6/23/2013	9:20 PM	6/24/2013	1:35 AM	Pacific Gas & Electric Co	Central Coast California	WECC	Severe Weather - Fog	Unknown	148,000
6/24/2013	7:30 PM	6/25/2013	5:46 PM	Exelon Corporation/ComEd	Illinois	RFC	Severe Weather - Thunderstorms	Unknown	283,451
6/24/2013	7:30 PM	6/26/2013	5:00 PM	Northern Indiana Public Service Company	Indiana	RFC	Severe Weather - Thunderstorms	Unknown	86,615
6/27/2013	5:00 PM	6/28/2013	12:00 AM	Detroit Edison Co	South Eastern Michigan	RFC	Severe Weather - Thunderstorms	Unknown	138,000
6/27/2013	1:10 AM	6/27/2013	2:45 AM	Potomac Electric Power Company	Richie Substation, Seat Pleasant, Maryland	RFC	Physical Attack; Vandalism	Unknown	Unknown
6/28/2013	6:02 PM	6/28/2013	8:46 PM	Southern California Edison Co	Los Angeles and Orange Counties, California	WECC	Equipment Failure	240	65,255
6/28/2013	1:00 PM	6/28/2013	1:01 PM	ISO New England	Vermont	NPCC	Physical Attack; Vandalism	Unknown	Unknown
6/28/2013	5:14 PM	6/28/2013	5:15 PM	Delmarva Power & Light Company	New Castle Delaware	RFC	Physical Attack; Vandalism	Unknown	Unknown
July									
7/2/2013	2:20 PM	7/5/2013	3:30 PM	Western Electricity Coordinating Council	Alberta, Canada	WECC	Load Shed 100+MW	200	Unknown
7/3/2013	9:34 AM	7/3/2013	10:52 AM	Sacramento Municipal Utility District	Sacramento California	WECC	Suspected Physical Attack	0	0
7/3/2013	12:04 PM	7/3/2013	12:48 PM	Puerto Rico Electric Power Authority	System-wide Puerto Rico	N/A	Voltage Reduction; Line and Generator Trip	480	393,000
7/5/2013	12:05 AM	7/5/2013	1:51 AM	Pacific Gas & Electric Co	California	WECC	Physical Attack; Vandalism	Unknown	2,500
7/10/2013	2:30 PM	7/10/2013	2:45 PM	ISO New England	Boston, Massachusetts	NPCC	Physical Attack; Copper Theft	0	0
7/10/2013	5:30 PM	7/11/2013	8:00 PM	American Electric Power	AEP Ohio Power Footprint	RFC	Severe Weather - Thunderstorms	N/A	122,314
7/11/2013	11:20 PM	7/14/2013	3:22 PM	Arizona Public Service Co	Arizona	WECC	Physical Attack; Vandalism	455	Unknown
7/12/2013	10:00 AM	7/12/2013	10:01 AM	Tacoma Power (TPWR)	Washington	WECC	Physical Attack; Vandalism	Unknown	Unknown
7/17/2013	3:30 PM	7/19/2013	6:45 AM	Long Island Power Authority	Holtsville, New York	NPCC	Fuel Supply Emergency (Natural Gas)	417	Unknown
7/18/2013	3:15 AM	7/18/2013	3:59 AM	PacifiCorp	Utah	WECC	Physical Attack; Vandalism	N/A	N/A
7/18/2013	11:30 AM	7/19/2013	5:30 PM	Niagara Mohawk Power Corp.	Upstate New York	NPCC	Public Appeal - Heatwave	Unknown	Unknown
7/18/2013	11:45 PM	7/19/2013	10:05 AM	San Diego Gas & Electric Co	Southern Orange County California	WECC	Equipment Failure	200	123,000
7/19/2013	6:00 PM	7/20/2013	9:00 AM	Detroit Edison Co	Michigan	RFC	Severe Weather - Thunderstorms	Unknown	156,627
7/19/2013	10:30 PM	7/21/2013	8:00 PM	Niagara Mohawk Power Corporation (dba National Grid)	New York	NPCC	Severe Weather - Thunderstorms	Unknown	74,300

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7/22/2013	7:00 AM	7/22/2013	3:00 PM	Terra-Gen Operating Company	California	WECC	Physical Attack; Vandalism	Unknown	Unknown
7/23/2013	11:38 PM	7/25/2013	4:30 AM	American Electric Power	Tulsa, Oklahoma	SPP	Severe Weather - Thunderstorms	500	92,748
7/25/2013	1:10 PM	7/25/2013	1:15 PM	Tacoma Power (TPWR)	Polk Substation, Tacoma Washington	WECC	Physical Attack; Vandalism	N/A	N/A
August									
8/1/2013	11:00 AM	8/1/2013	4:00 PM	Central Hudson Gas & Electric	Newburgh, New York	NPCC	Physical Attack; Copper Theft	N/A	N/A
8/1/2013	6:54 PM	8/1/2013	7:37 PM	WECC RC Vancouver	Western British Columbia	WECC	Electrical System Separation (Islanding)	420	Unknown
8/1/2013	11:19 PM	8/2/2013	12:49 AM	Florida Power & Light Co	Daytona Beach Florida	FRCC	Loss of 300+ MW Load	297	104,498
8/4/2013	3:00 AM	8/4/2013	4:00 AM	Pacificorp	Utah	WECC	Physical Attack; Vandalism	N/A	N/A
8/5/2013	6:35 PM	8/5/2013	6:45 PM	WECC RC Vancouver	Vancouver, British Columbia	WECC	Electrical System Separation (Islanding); Severe Weather	Unknown	Unknown
8/6/2013	4:00 PM	8/6/2013	5:32 PM	El Paso Electric	Holloman Air Force Base, New Mexico	WECC	Physical Attack; Vandalism	Unknown	Unknown
8/7/2013	7:30 AM	8/7/2013	9:14 AM	Wisconsin Public Service Corp	Green Bay, Wisconsin	MRO	Fuel Supply Emergency (Natural Gas & Fuel Oil)	Unknown	Unknown
8/7/2013	2:30 PM	8/8/2013	1:00 PM	Caithness Shepherds Flat, LLC	Arlington, Oregon	WECC	Physical Attack; Vandalism	Unknown	Unknown
8/7/2013	12:15 AM	8/7/2013	9:27 PM	We Energies	Eastern Central Wisconsin	MRO	Severe Weather - Thunderstorms	220	51,160
8/12/2013	11:55 AM	8/12/2013	11:59 AM	PacificCorp	Portland, Oregon	WECC	Suspicious Activity	Unknown	Unknown
8/16/2013	4:58 PM	8/17/2013	11:58 PM	CenterPoint Energy	Houston Service Area Texas	TRE	Severe Weather - Thunderstorms	Unknown	219,681
8/19/2013	7:06 PM	8/20/2013	6:02 AM	Southern California Edison Co	Central California	WECC	Severe Weather - Lightning Strike	685	124,000
8/21/2013	2:00 PM	8/21/2013	2:01 PM	Entergy Arkansas Inc	Cabot, Arkansas	SERC	Physical Attack; Sabotage	N/A	N/A
8/22/2013	8:40 AM	8/22/2013	11:49 AM	Constellation Energy Control & Dispatch - for Gila River	Gila River, Arizona	WECC	Physical Attack; Sabotage	N/A	N/A
8/22/2013	12:55 PM	8/22/2013	2:45 PM	Delmarva Power & Light Company	New Castle, Delaware	RFC	Physical Attack; Vandalism	Unknown	Unknown
8/23/2013	7:30 AM	8/23/2013	7:31 AM	Delmarva Power & Light Company	New Castle, Delaware	RFC	Physical Attack; Vandalism	Unknown	N/A
8/26/2013	8:15 PM	8/26/2013	8:16 PM	Tacoma Power (TPWR)	Tacoma Washington	WECC	Physical Attack; Vandalism	Unknown	Unknown
8/28/2013	9:30 AM	8/28/2013	9:31 AM	PacificCorp	Sweetwater County Wyoming	WECC	Physical Attack; Vandalism	N/A	N/A
8/29/2013	2:57 PM	8/29/2013	3:29 PM	Xcel Energy	Ashland, Wisconsin	MRO	Electrical System Separation (Islanding); Severe Weather	15	7,000
8/29/2013	9:50 AM	8/29/2013	9:50 AM	Empire District Electric Co	Joplin, Missouri	N/A	Physical Attack; Vandalism	Unknown	Unknown
8/30/2013	7:30 PM	8/31/2013	1:30 AM	Exelon Corporation/ComEd	Entire ComEd territory Illinois	RFC	Severe Weather - Thunderstorms	Unknown	157,000
September									
9/10/2013	5:42 PM	9/11/2013	12:02 AM	PJM Interconnection	Erie, Pennsylvania	RFC	Load Shed of 100+ MW	105	Unknown
9/11/2013	4:00 PM	9/15/2013	4:00 PM	Detroit Edison Co	Southeastern Michigan	RFC	Severe Weather - Thunderstorms	400	75,000
9/29/2013	12:00 AM	9/29/2013	1:00 AM	Entergy Systems Incorporated	Cabot Arkansas	SERC	Physical Attack; Sabotage	Unknown	Unknown

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October									
10/6/2013	7:25 AM	10/6/2013	9:15 AM	MISO - AECC	Jacksonville, Arkansas	SPP	Physical Attack	Unknown	9,200
10/11/2013	2:30 PM	10/11/2013	6:30 PM	MISO - Entergy	Keo, Arkansas	SERC	Physical Attack	Unknown	Unknown
10/16/2013	11:15 AM	10/16/2013	6:00 PM	Duke Energy Progress	Roxboro Plant, North Carolina	SERC	Cyber Event with Potential to Cause Impact	0	0
10/19/2013	2:32 PM	10/19/2013	10:00 PM	Pacific Gas & Electric Co	California	WECC	Physical Attack	Unknown	Unknown
10/21/2013	5:18 AM	10/21/2013	5:33 AM	Pacific Gas & Electric Co	Location Unknown	WECC	Electrical System Separation (Islanding)	115	433
10/26/2013	7:13 AM	10/26/2013	7:14 AM	Arizona Public Service Co	Arizona	WECC	Suspected Physical Attack	Unknown	Unknown
10/27/2013	4:27 AM	10/27/2013	10:27 PM	CenterPoint Energy	Houston, Texas	TRE	Severe Weather - Hail Storm	Unknown	171,117
November									
11/1/2013	1:26 PM	11/1/2013	1:27 PM	Delmarva Power & Light Company	Wilmington, Delaware	RFC	Physical Attack - Vandalism	Unknown	Unknown
11/2/2013	8:25 AM	11/2/2013	8:26 AM	PacifiCorp	Salt Lake City, Utah	WECC	Physical Attack - Vandalism	N/A	N/A
11/2/2013	12:00 AM	11/4/2013	6:00 AM	Puget Sound Energy	King, Whatcom, and Skagit, Washington	WECC	Severe Weather - Heavy Winds	Unknown	105,000
11/4/2013	9:04 AM	11/4/2013	9:05 AM	ISO New England	Connecticut	NPCC	Physical Attack - Vandalism	Unknown	Unknown
11/5/2013	10:10 AM	11/7/2013	10:10 AM	Duke Energy Indiana Inc	Indiana	RFC	Physical Attack	Unknown	Unknown
11/12/2013	2:04 PM	11/12/2013	2:05 PM	Pacific Gas & Electric Co	Valle, California	WECC	Electrical System Separation (Islanding)	55	48,400
11/12/2013	9:14 AM	11/12/2013	10:30 AM	Farmers' Electric Coop, Inc	Eastern Central New Mexico	SPP	Loss of Power from Wholesale Provider; Major Distribution Disruption	Unknown	Unknown
11/16/2013	3:15 PM	11/16/2013	3:16 PM	PacifiCorp	Salt Lake County, Utah	WECC	Physical Attack - Vandalism	N/A	N/A
11/17/2013	7:00 AM	11/20/2013	6:54 PM	Detroit Edison Co	Michigan	RFC	Severe Weather - Ice and Snow Storm	Unknown	325,325
11/17/2013	12:35 PM	11/17/2013	1:40 PM	City of Rochelle	Rochelle, Indiana	RFC	System-wide voltage reductions of 3 percent or more	38	7,500
11/17/2013	4:47 PM	11/20/2013	11:59 AM	Duke Energy Indiana Inc	Central Indiana	RFC	Severe Weather - Tornadoes	535	61,705
11/17/2013	4:45 PM	11/21/2013	4:45 PM	Consumers Energy Co	Entire Lower Peninsula Michigan	RFC	Severe Weather - Thunderstorms	Unknown	50,000
11/17/2013	12:35 PM	11/20/2013	11:00 AM	Ameren Missouri	Central Missouri, Central Illinois	SERC	Severe Weather - Tornadoes	Unknown	200,000
11/17/2013	1:06 PM	11/20/2013	1:06 PM	Northern Indiana Public Service Company	North Central Indiana	RFC	Severe Weather - Thunderstorms	Unknown	75,065
11/17/2013	4:19 PM	11/18/2013	6:00 PM	American Electric Power	Indiana, Michigan	RFC	Severe Weather - Thunderstorms	Unknown	77,346
11/17/2013	2:31 PM	11/17/2013	10:30 PM	Commonwealth Edison Co	Entire ComEd Territory Illinois	RFC	Severe Weather - Thunderstorms	Unknown	190,000
11/17/2013	4:47 PM	11/20/2013	4:47 PM	Duke Energy Midwest	Central Indiana	RFC	Severe Weather - Thunderstorms	Unknown	61,705
11/20/2013	3:08 AM	11/20/2013	3:09 AM	Pacific Gas & Electric Co	Salt Lake County Utah	WECC	Physical Attack - Vandalism	Unknown	Unknown
11/21/2013	7:45 PM	11/22/2013	3:20 AM	Pacific Gas & Electric Co	Northern California	WECC	Severe Weather - Wind Storm	150	89,500
11/24/2013	7:38 AM	11/24/2013	7:39 AM	Pacific Gas & Electric Co	Salt Lake County Utah	WECC	Physical Attack - Vandalism	N/A	N/A

OE-417 Electric Emergency and Disturbance (OE-417) Events, 2013¹

Date Event Began	Time Event Began	Date of Restoration	Time of Restoration	Respondent	Area Affected	NERC Region	Event Type	Demand Loss (MW)	Number of Customers Affected
December									
12/4/2013	5:00 AM	12/4/2013	4:17 PM	WECC - Loveland	Idaho Falls Area Idaho, Utah-Idaho Border Utah	WECC	Load Shed 100+ MW	150	Unknown
12/6/2013	8:47 AM	12/6/2013	8:49 AM	PacifiCorp	Saratoga, Utah	WECC	Physical Attack - Vandalism, Theft	N/A	N/A
12/6/2013	1:51 AM	12/11/2013	12:00 PM	Oncor Electric Delivery Company LLC	Greater Houston, Texas	TRE	Severe Weather - Ice/Snow	Unknown	881,000
12/9/2013	6:54 AM	12/9/2013	2:22 PM	Dominion Virginia Power	Virginia Service Territory	SERC	Severe Weather - Ice/Snow	293	88,000
12/10/2013	1:01 AM	12/11/2013	1:01 AM	Arizona Public Service Co	Arizona	WECC	Suspected Physical Attack	Unknown	Unknown
12/13/2013	11:00 AM	12/27/2013	11:00 AM	City of Garland	Texas	TRE	Fuel Supply Emergencies (Coal)	Unknown	Unknown
12/13/2013	11:00 AM	12/27/2013	11:00 AM	Texas Municipal Power Agency	Texas	TE	Fuel Supply Emergencies (Coal)	Unknown	Unknown
12/22/2013	6:16 AM	12/24/2013	11:59 PM	Niagara Mohawk Power Corp.	Frontier/Genesee/Northern New York	NPCC	Severe Weather - Ice/Snow	Unknown	59,000
12/22/2013	6:30 AM	12/25/2013	5:12 AM	Detroit Edison Co	Michigan	RFC	Severe Weather - Ice/Snow	350	140,735
12/22/2013	3:28 AM	12/28/2013	11:45 PM	Consumers Energy Co	Southern Lower Peninsula, Michigan	RFC	Severe Weather - Ice/Snow	Unknown	50,000
12/23/2013	3:20 PM	12/25/2013	11:32 AM	Central Maine Power Co	Central Maine Maine	NPCC	Severe Weather - Ice/Snow	Unknown	52,500
12/27/2013	9:43 AM	12/27/2013	12:43 PM	Arizona Public Service Co	Gilabend Arizona	WECC	Physical Attack	N/A	N/A
12/30/2013	11:00 AM	12/30/2013	11:01 AM	PacifiCorp	Salt Lake County Utah	WECC	Physical Attack	N/A	N/A
12/30/2013	11:00 AM	1/1/2014	8:00 AM	Arizona Public Service Co	North of Roosevelt lake Arizona	WECC	Physical Attack	N/A	N/A

¹ Source: Submissions of all Electric Emergency Incident and Disturbance Reports (OE-417), <http://www.oe.netl.doe.gov/oe417.aspx>